

Converting Colors

$Y_{xy}(74.3210, 0.3226, 0.5820)$

Have a look what the booklet for
Yxy(74.3210, 0.3226, 0.5820)
contains.

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Color

Yxy(74.3448, 0.3228, 0.5819)

Conversions

Conversions Part 1

Format	Color
Hex	66FF00
RGB	102, 255, 0
RGB Percent	40%, 100%, 0%
CMY	0.5999, 0.0000, 0.9999
CMYK	0.60, 0.00, 1.00, 0.00
HSL	96°, 100%, 50%
HSV	96°, 100%, 100%
XYZ	41.2416, 74.3448, 12.1757
YIQ	180.1830, -9.3330, -111.7410

Conversions

Conversions Part 2

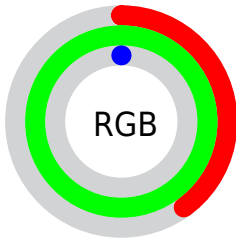
Format	Color
RYB	0, 255, 153
Decimal	6749952
CIELab	89.09, -74.42, 84.83
CIELCh	89, 112.845, 131.262
Yxy	74.3448, 0.3228, 0.5819
Android (android.graphics.Color)	4284940032 (0xFF66FF00)
YUV	180.1830, -88.8302, -68.5665
Hunter-Lab	86.2234, -65.5125, 51.9840

Details

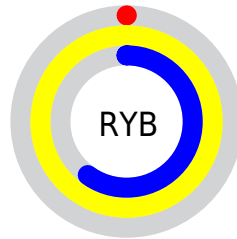
The Yxy color **74.3448, 0.3228, 0.5819** is a dark color, and the websafe version is hex **66FF00**, and the color name is **bright green**. The color can be described as dark saturated chartreuse. A complement of this color would be **13.9920, 0.2214, 0.0993**, and the grayscale version is **46.2417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6351, 0.3419, 0.5116**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **74.3456, 0.3228, 0.5819**, and if you desaturate by 10%, it is **75.3969, 0.3283, 0.5715**.

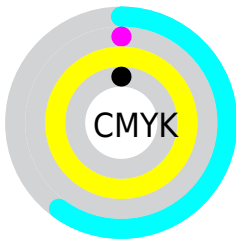
Distribution



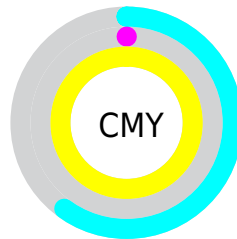
- Red (40%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (60%)



- Cyan (60%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3448, 0.3228, 0.5819 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 74.3448, 0.3228, 0.5819 by changing the saturation by 10% instead.


 74.3448, 0.3228,
0.5819

 74.3448, 0.3228,
0.5819


475.6625, 0.3309,
0.4597

 55.0763, 0.3170,
0.6085


 125.3845, 0.3287,
0.5400


 39.4628, 0.3079,
0.6398

 157.9244, 0.3301,
0.5234

 27.1200, 0.2935,
0.6763

 195.6570, 0.3309,
0.5091

 17.6633, 0.2738,
0.7262

 238.9665, 0.3313,
0.4966

 10.7085, 0.2352,
0.7648

 288.2374, 0.3314,
0.4857

 5.8712, 0.1825,
0.8175


 343.8542, 0.3313,


 2.7669, 0.0647,


0.4760


0.9353

406.2011, 0.3312,
0.4674


 1.0113, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.3448, 0.3228,
0.5819


 74.3448, 0.3228,
0.5819


 74.3456, 0.3228,
0.5819

 75.3969, 0.3283,
0.5715

 76.7151, 0.3326,
0.5551


 78.3376, 0.3351,
0.5326


 80.2895, 0.3356,
0.5054

 82.5923, 0.3343,
0.4751

 85.2657, 0.3315,
0.4436

 88.3274, 0.3275,
0.4123

 91.7941, 0.3229,
0.3823

 95.6812, 0.3179,
0.3544

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3448, 0.4347, 0.5312



74.3448, 0.3228, 0.5819



74.3448, 0.2140, 0.5047

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3448, 0.3228, 0.5819



74.3448, 0.1210, 0.1635



74.3448, 0.5131, 0.2802

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.3448, 0.3228, 0.5819



13.9920, 0.2214, 0.0993

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3448, 0.3837, 0.2138



74.3448, 0.3228, 0.5819



74.3448, 0.1649, 0.1504

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.3448, 0.3228, 0.5819



74.3448, 0.1117, 0.2189



74.3448, 0.2523, 0.1682



74.3448, 0.5654, 0.3554

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.3448, 0.3228, 0.5819



74.3448, 0.1587, 0.3942



74.3448, 0.2523, 0.1682



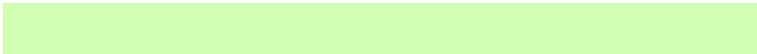
74.3448, 0.4753, 0.2566

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



74.3463, 0.3228, 0.5819



88.3250, 0.3275, 0.4123



42.6784, 0.5188, 0.4262



18.6185, 0.3293, 0.4254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.3463, 0.3228, 0.5819



74.3456, 0.3228, 0.5819



71.5753, 0.2989, 0.5959



20.5227, 0.3176, 0.3531



38.9283, 0.3240, 0.5810



3.8518, 0.3327, 0.5740

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.9920, 0.2214, 0.0993



13.9909, 0.2214, 0.0993



27.1866, 0.3435, 0.1666



17.9167, 0.3074, 0.3051



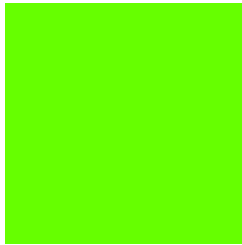
7.3998, 0.2229, 0.1002



0.7841, 0.2338, 0.1062

Previews

White Background



This preview shows how the Yxy color 74.3448, 0.3228, 0.5819 looks on a white background.

Color Contrast Check

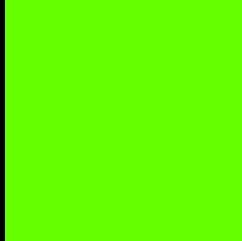
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 74.3448, 0.3228, 0.5819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

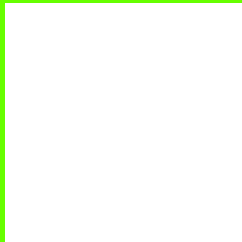
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.3448, 0.3228, 0.5819

Background



This preview shows how black text looks on a background with the Yxy color 74.3448, 0.3228, 0.5819.



This preview shows how white text looks on a background with the Yxy color 74.3448, 0.3228, 0.5819.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

74.3448, 0.3228, 0.5819

Protanopia

72.5665, 0.4409, 0.4881

Deuteranopia

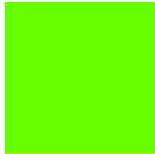
72.8749, 0.3833, 0.3876



Tritanopia

73.4139, 0.2513, 0.3070

Trichromacy



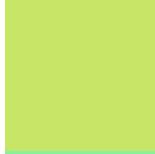
Original Color

74.3448, 0.3228, 0.5819



Protanomaly

70.5814, 0.3905, 0.5281



Deuteranomaly

69.6753, 0.3693, 0.4747



Tritanomaly

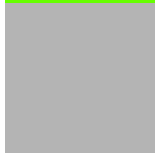
71.5351, 0.2906, 0.4337

Monochromacy



Original Color

74.3448, 0.3228, 0.5819



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.5389, 0.3329, 0.4559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3448, 0.3228, 0.5819 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.3448, 0.3228, 0.5819 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 255, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(102, 255, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(102, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3448, 0.3228, 0.5819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
255, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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